

16.

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2004-086127**

(43)Date of publication of application : **18.03.2004**

(51)Int.CI.

G02B 6/36

(21)Application number : 2002-359466 (71)Applicant : FURUKAWA

ELECTRIC CO
LTD:THE

(22)Date of filing : 11.12.2002 (72)Inventor : SEO KOJI

YUGUCHI RENICHI

(30)Priority

Priority number :	2002190436	Priority date :	28.06.2002	Priority country :	JP
----------------------	------------	--------------------	------------	-----------------------	----

(54) OPTICAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical device and an optical connector excellent in durability in terms of a fiber fuse phenomenon occurring at the high output driving time.

SOLUTION: In the optical device in which an optical transmission line consisting of an optical fiber L whose at least one part in a light transmitting direction is an area A1 where optical energy density is lower than other part is incorporated, the area where the energy density is lower is formed so that the mode field diameter of at least one part

may be larger than that of other part. Then, the optical connector in which the part having the large mode field diameter is housed in a ferrule is also provided.



LEGAL STATUS